



International Business Machines Corporation  
Office Products Division  
Customer Engineering

## **"Selectric" Typewriter**

### **Print Quality Review**

**Z241-6288-0**

**To Be Used With Print Quality Review Video.**

**CHECK:**

- ☐ Platen For Proper Adjustments
- ☐ Motor For No Binds
- ☐ Drive Belt Tension/No Missing Teeth
- ☐ Cycle Shaft And Gear Train For Proper Adj.
- ☐ Filter And Print Shaft For Proper Timing
- ☐ For Binds Or Loose Parts In Carrier
- ☐ Velocity Adjustments
- ☐ Element For Loose Caps, Over Plating And Dirt
- ☐ Cardholder Adjustments (Keep On Low Side Of Spec)
- ☐ Ribbon Adj. (Shock Wire, Ribbon Guides, Separator Wire And Spiked Driver)

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## **HORIZONTAL MISALIGNMENT**

Now is the time for

**HORIZONTAL MISALIGNMENT PROBLEMS CAN BE CAUSED BY:**

- Worn Carrier Bearings**
- Binds Between Typehead And Backup Shoe**
- Binds Or Play In Rotate Or Tilt Detents**
- Defective Element**
- Weak Rotate Detent Spring**
- Incorrect Rotate Spring Tension**
- Incorrect Rotate Selection Adjustments**
- Excessive Tilt Ring Play**
- Timing Adjustments**

## **VERTICAL MISALIGNMENT**

Now is the time

**VERTICAL MISALIGNMENT PROBLEMS CAN BE CAUSED BY:**

- Worn Carrier Bearing**
- Wear Of The Upper Ball Socket And Spacer**
- Binds Or Play In the Tilt Detent**
- Dirt On The Upper Ball Socket Flange Or Typehead Socket**
- Defective Element**
- Weak Tilt Detent Spring**
- Incorrect Tilt Selection Adjustments**
- Excessive Tilt Ring Play**
- Front Carrier Support Adjustment**
- Timing Adjustments**

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## **SMEARING & SPLASHING**

Now is the time for

This is uncontrolled extra ink transferring in any direction on the paper.

Reason for smearing is that just after printing, the element, ribbon and paper stay in contact, but the element and ribbon move together on the paper.

### **CHECK THE FOLLOWING:**

Detent Cam Follower Adjustment

Feed Rolls Should Turn Freely

Paper Bail Rolls Should Turn Freely

Correct Paper Bail Arms And Springs

Cardholder Clearance

## **POOR COVERAGE**

now is the time for

The usual reason for poor coverage is that the impression is too low or something has contacted the ribbon surface, removing the ink from the ribbon. Increasing the impression above a certain level will not improve coverage.

### **OTHER CAUSES FOR POOR COVERAGE ARE:**

Drive Belt Tension/Missing Teeth

Cycle Clutch/Gear Train Adjustments

Velocity Adjustments

Print Adjustments

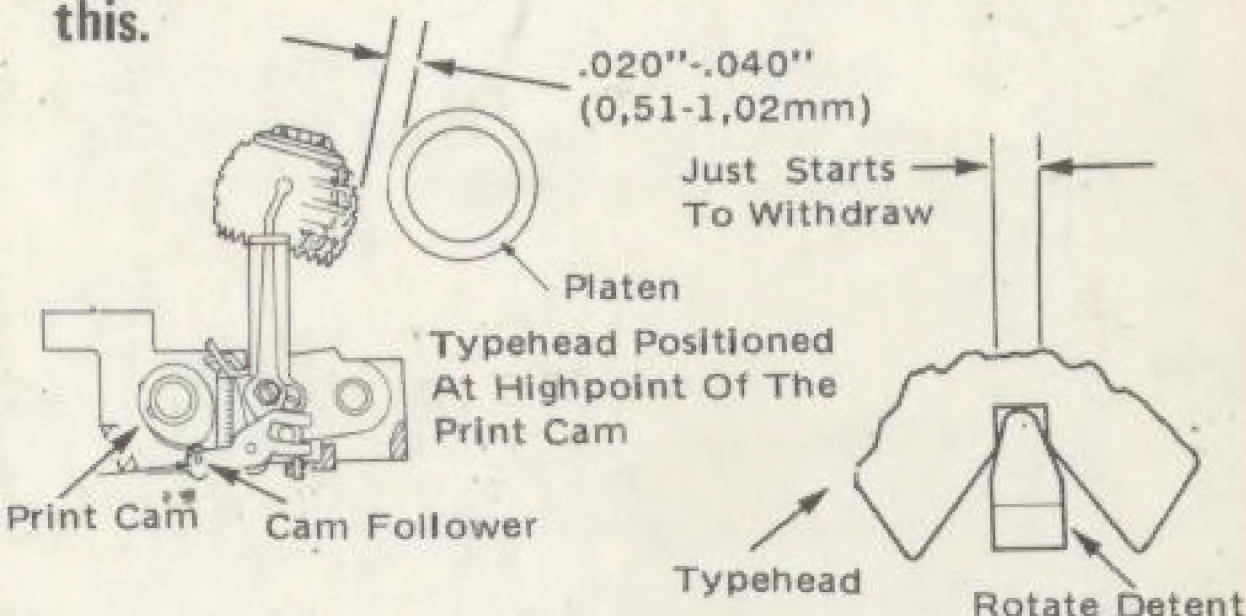
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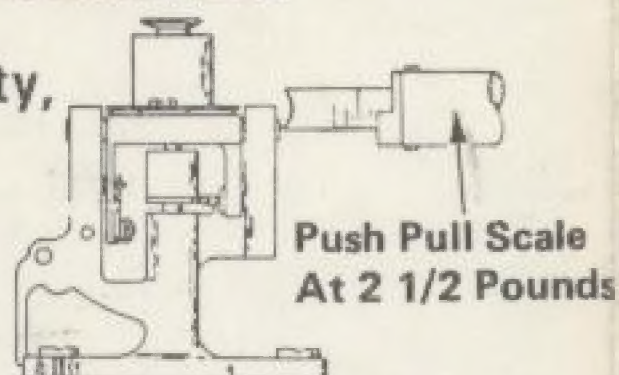
# DETENT CAM FOLLOWER BRACKET ADJUSTMENT (For Smears And Tails)

Adjust the detent cam follower mounting bracket up or down so the rotate detent just begins to withdraw from the typehead when the typehead has moved .020"-.040" (0.51-1.02 mm) away from the print position (high point of the print cam.) Use a tilt 2, rotate 0 character to observe this.



## TILT RING ADJUSTMENT

To ensure good print quality, a certain preload on the tilt ring is necessary.



### Method To Be Used:

Position Carrier At Left-Hand Margin

Remove Rotate Detent Spring

Remove Tilt Pulley Spring

Loosen The Pivot Pins Locking Screws

Turn Pins 1/4 Turn In Their Holes

Center Tilt Ring Between Yoke Legs

Tighten Left-Hand Screw Only

Push In Right-Hand Pin Using Push/Pull Scale Until Reading 2 1/2 Pounds

Tighten Right-Hand Screw

Replace Springs

Check That Tilt Tape Is On Pulley

Note: When properly adjusted, the tilt ring will have no play, and a slight bind will be felt.